M408L 52560/95 First-day Handout

Spring 2020

Course Information

Class Time/Location:	Monday, Wednesday, Friday
	10:00 - 11:00 AM in RLP 0.130
Instructor:	Dr. Sam Raskin
Office:	PMA 10.172
Office Hours:	Tuesday, 1:30 - 3:00 PM
	Friday 3:30 - 5:00 PM
E-mail:	sraskin@math.utexas.edu
Discussion Time/Location:	52560: Tuesday, Thursday
	11:00 - 12:00 AM in PHR 2.114
	52595: Tuesday, Thursday
	3:30 - 4:30 PM in BUR 216
Teaching Assistant:	Sean Sommers
Office:	PMA 9.146
Office Hours:	Monday, Wednesday 1:00 PM - 2:30 PM
Email:	sean.sommers@utexas.edu

Text: Calculus, Eighth Edition, Early Transcendentals by James Stewart. See your Canvas course page for instructions on purchasing the e-book version of the text.

E-mail policy: A great deal of information is given here in the Syllabus. The instructor most likely will not answer any e-mails if they ask a question answered on the Syllabus.

Restrictions and prerequisites: The prerequisite for M 408L is a grade of C- or better in either M408C, M308K, M408K, M308N, M408N, or an equivalent course from another institution; B in M408R.ă Only one of the following may be counted: M 403L, 408D, 408L, or 408S.

Calculus lab: We strongly suggest students use the math department's calculus lab. Details and schedules can be found at https://www.ma.utexas.edu/academics/undergraduate/calclab.

Course description and objectives of the course: Successful students will leave this course understanding the basic concepts in the introduction to the theory and applications of integral calculus of one variable. In additional, they will have mastered the computational skills of integral calculus. Topics include integration, the fundamental theorem of calculus, transcendental functions, sequences and infinite series.

Course Grade

Grades will be assigned using the +/- system. Your letter grade will be given based on your numerical average earned in the class, on a scale not stricter than the following: you are guaranteed a D- for 60 or above, D for 63 or above, D+ for 67 or above, C- for 70 or above, C for 73 or above, C+ for 77 or above, B- for 80 or above, B for 83 or above, B+ for 87 or above, A- for 90 or above, and an A for 93 or above. However, the actual cutoffs used at the end of the semester may be slightly different, but they will NOT be any higher.

Overall grades will be determined from the following components.

1. **Homework and Classwork** (15%)

   The assignment types are as follows:

   - *Pre-class assignments* (5%)

     These are short assignments that you will complete before coming to lecture. They are the learning modules that you will find on Quest. The pre-class learning module for a section will be due before we start that section in class.

   - *Weekly assignments* (5%)

     Each week you will have a Quest assignment due at 8 AM on Tuesday. These dates are listed in the lecture schedule.

   - *QR Classwork* (5%)

     Each discussion day you will have different explorations to work on. We are dropping the lowest 6 worksheets in order to account for any absences.

     Pre-class assignments and Weekly assignments will be completed online using the UT homework server, Quest. All solutions and grades will be returned via Quest. The three lowest homework scores from each assignment type (pre-class, and weekly) will be dropped. No late homework will be accepted. Quest can be accessed at: quest.cns.utexas.edu.

2. **Midterm Exams** (57%)

   There will be three midterm exams. *Please note that these exams will be held in different locations and at different times from the regular lecture.*

- Midterm Exam 1: Tuesday, February 25th, 7 - 9 PM.
  Covers Sections 5.3-5.5, 6.1-6.2, 7.1-7.3.
  Location of Midterm Exam 1: ECJ 1.202.

- Midterm Exam 2: Tuesday, March 31st, 7 - 9 PM.
  Covers Sections 7.4-7.5, 7.8, 14.3, 15.1-15.2.
  Location of Midterm Exam 2: ECJ 1.202.

- Midterm Exam 3: Tuesday, May 5th, 7 - 9 PM.
  Covers Sections 11.1-11.11.
  Location of Midterm Exam 1: ECJ 1.202.

Each midterm exam contributes to 19% of the course grade.

No calculators are allowed on any exams.

If a student continues to write on any exam (midterm, final or any makeup) after time is called, the instructor or proctor may remove points from the student's total on the exam.

3. **Final Exam** (28%)

WARNING: The final exam date will be determined late in the semester. Please do not make plans to be away from UT during the finals period.

Makeup Exams

For students who have a schedule conflict with the above listed exam times, contact your instructor *before* the exam to arrange to take one of the following makeup exams. For students who miss one of the above listed exams due to illness or emergency, contact your instructor within 48 hours of the time of the missed exam to arrange to take one of the following makeup exams.

WARNING: The student's instructor will determine if the schedule conflict, illness, or other extenuating circumstance is valid. Be prepared to present documentation to your instructor.

- *Exam 1*

  Makeup 1A
  Wednesday, February 26th, 4:00 PM - 6:00 PM, JGB 2.324.

  Makeup 1B
  Friday, February 28th, 4:00 PM - 6:00 PM, JGB 2.324.

- *Exam 2*

  Makeup 2A
  Wednesday, April 1st, 4:00 PM - 6:00 PM, JGB 2.324.

Makeup 2B
Friday, April 3rd, 4:00 PM - 6:00 PM, JGB 2.324.

- *Exam 3*

  Makeup 3A
  Wednesday, May 6th, 4:00 PM - 6:00 PM, CAL 100.

  Makeup 3B
  Friday, May 8th, 4:00 PM - 6:00 PM, JGB 2.324.

WARNING: The **makeup final date** will be determined late in the semester. Please do not make plans to be away from UT during the finals period.

SSD Exams

Students with disabilities qualified by the SSD office must present a letter to their instructor prior to the first exam. Those who do so will take the following exams instead of those listed above.

WARNING: Students MUST deliver a letter from the SSD office to their instructor at least one week before the first exam for which the student desires accommodations.

- *Exam 1*, Tuesday, February 25th, 6PM - 10 PM, ECJ 1.214.

- *Exam 2*, Tuesday, March 31st, 6PM - 10 PM, ECJ 1.214.

- *Exam 3*, Tuesday, May 5th, 6PM - 10 PM, ECJ 1.214.

Lecture/Discussion Schedule

Instructors may slightly modify the schedule below throughout the semester, usually by going somewhat faster. (L: Lecture, D: Discussion).

Week of	Monday	Tuesday	Wednesday	Thursday	Friday
1/20-1/24	No Class	D Groups/review	L 5.3	D QR 1	L 5.3/5.4
1/27-1/31	L 5.4	D QR 2 HW01 due 8 AM	L 5.4	D QR 3	L 5.5
2/3-2/7	L 5.5	D QR 4 HW02 due at 8 AM	L 6.1	D QR 5	L 6.2
2/10-2/14	L 6.2	D QR 6 HW03 due at 8 AM	L 7.1	D QR 7	L 7.1
2/17-2/21	L 7.2	D QR 8 HW04 due at 8 AM	L 7.3	D QR 5	L 7.3

2/24-2/28	L Review	D QR 9 HW05 due at 8 AM **Exam 1 7-9PM**	L 7.4 **Makeup 1A**	D QR 5	L 7.4 **Makeup 1B**
3/2-3/6	L 7.5	D QR 11 HW06 due at 8 AM	L 7.8	D QR 5	L 7.8
3/9-3/13	L 14.3	D QR 13 HW07 due at 8 AM	L 14.3	D QR 5	L 15.1
3/16-3/20	Spring break	Spring break	Spring break	Spring break	Spring break
3/23-3/27	L 15.1	D QR 15 HW08 due at 8 AM	L 15.2	D QR 5	L 15.2
3/30-4/3	L Review	D QR 17 HW09 due at 8 AM **Exam 2 7-9PM**	L 11.1 **Makeup 2A**	D QR 5	L 11.2 **Makeup 2B**
4/6-4/10	L 11.3	D QR 19 HW10 due at 8 AM	L 11.4	D QR 5	L 11.5
4/13-4/17	L 11.6	D QR 21 HW11 due at 8 AM	L 11.6	D QR 5	L 11.7
4/20-4/24	L 11.8	D QR 23 HW12 due at 8 AM	L 11.9	D QR 5	L 11.10
4/27-5/1	L 11.10	D QR 26 HW13 due at 8 AM	L 11.11	D QR 5	L 11.11
5/4-5/8	L Review	D QR 28 HW14 due at 8 AM **Exam 3 7-9PM**	L Review **Makeup 3A**	D QR 5	L Review **Makeup 3B**

General Information

- Additional help is available at the Sanger Learning Center. Please check their website for free drop-in tutoring, free 408K/L exam reviews, and free refreshers in Calculus, Algebra, and Trigonometry: www.utexas.edu/ugs/slc.

- Group study sessions for M408K/L are coordinated through the Residential Hall Study Groups. Visit their website for schedules and information: cns.utexas.edu/students/support/residential-halls-study-groups.

- To help with stress, study habits, crises, or any personal matters that are hindering your ability to enjoy your time at UT, please seek assistance at the Counselling and Mental Health Center on campus: `www.cmhc.utexas.edu`.

- The University of Texas provides upon request appropriate academic accommodations for qualified students with disabilities. For more information contact Services for Students with Disabilities: `ddce.utexas.edu/disability`, 512-471-6259, 512-471-6441 TTY.

- Quest Instructional Charge: This course makes use of the web-based Quest content delivery and homework server system maintained by the College of Natural Sciences. This homework service will require a $30 charge per student per class for its use, with no student being charged more than $60 a semester. This fee goes toward the maintenance and operation of the resource. Please go to `http://quest.cns.utexas.edu` to log in to the Quest system for this class. After the 12th day of class, when you log into Quest you will be asked to pay via credit card on a secure payment site. Quest provides mandatory instructional material for this course, just as is your textbook, etc. For payment questions, email `quest.billing@cns.utexas.edu`.

- Academic Integrity: The sanction for any student found in violation of the UT Honor Code is to be decided by that student's instructor. This may include an immediate F in the course without the option to withdraw. For more information please go the following website: `deanofstudents.utexas.edu/sjs/acint_student.php`.

- This course carries the Quantitative Reasoning flag. Quantitative Reasoning courses are designed to equip you with skills necessary for understanding the types of quantitative arguments you will regularly encounter in your adult and professional life. You should therefore expect a substantial portion of your grade to come from your use of quantitative skills to analyze real-world problems.

Sanger Review Schedule

Early-semester refresher

- Calculus Refresher for M408L/S - (Mon-Wed) Jan. 27, 2020 - Jan. 29, 2020; 6:00-7:30 PM; UTC 3.110

Mid-semester exam reviews for M408L

- M408L First Exam Review - (Sun, Mon) 2/23, 2/24; 6:00-8:00 PM; GSB 2.126

- M408L Second Exam Review - (Sun, Mon) 3/29, 3/30; 6:00-8:00 PM; GSB 2.126

- M408L Third Exam Review - (Sun, Mon) 5/3, 5/4; 6:00-8:00 PM; GSB 2.126

End-of-semester final exam review

- M408L/M408S Final Exam Review - (Mon, Tue) 5/11, 5/12; 5:00-7:00 PM; GSB 2.126

Calc Lab: The Math Department Calculus Lab (see `https://www.ma.utexas.edu/academics/undergraduate/calclab`) is a joint TA session for all calculus classes taught at UT, and will be staffed at all times by multiple TAs and undergraduate Learning Assistants. No matter what your question is, you can always get help at Calc Lab.

Frequently Asked Questions

I have another edition of the textbook. Is that alright?

We don't know. There are dozens of editions of this book (including international and special editions). It is impossible for your instructor to know what the differences are for each edition. If you choose to use a different edition of the text, you do so at your own risk. It is strongly suggested that you use the edition listed on your first day handout.

I completed the first one/two/three home assignments in a different section of M408K or M408L. Now that I have changed sections, those scores are zeros. Can you recover those scores and put them in my new section?

No. Since you added the course late, those homework assignments were not finished by the due date in your current course. Therefore they are late, and will be zeros.

Was there a curve last semester?

Every semester the curve is different. Sometimes it's a few points, sometimes there is no curve. It is best to just assume there will be no curve and try your best.

I am going to miss a day of class. What should I do?

Get the notes from someone in class. You can also see what the instructor is going to do that day by looking at the lecture schedule. Attendance is not taken, so you do not need to alert the instructor or TA if you are going to miss a day.

Can we use calculators on the exams?

No.

This homework problem is impossible to do without a calculator. What should I do if it's on the exam?

If a homework problem really is impossible to do without a calculator, it won't be on the exam.

I have class all the way over in Sanchez before your class. Can I come in a few minutes late?

Yes, just be courteous to your classmates and be as quiet as possible when you come in.

What can I do to improve my grade?

Study. Do homework. Come to office hours. Do not wait until the end of the semester.

Do you drop any grades?

The three lowest weekly assignments, the three lowest pre-class assignments, and the six lowest QRs.

I added this class late and missed the first one/two/three homework assignments. Can you accept them late?

No. We do not accept late homework for any reason. Your three lowest homework scores are dropped for just such eventualities.

What do I have to make on the final to get an A/B/C in the course?

We don't know. Since we don't know if there will be a curve, or if there is a curve what the curve will be, we don't know what you need on the final to get a certain grade in the course. Also, the more time you spend trying to compute this imaginary score, the less time you spend preparing for the exam.

I sent a math question to my instructor and I didn't get a response. Why?

Because it's impossible to write math over e-mail.

Can we use calculators on the Quest homework?

Yes.

Do we have to bring our textbooks to class every day?

No.

I have a doctor's appointment after class today. Can I leave a few minutes early?

Yes, just be courteous to your classmates and be as quiet as possible when you leave.

Do you give extra credit?

No.

What is going to be on the exam?

Everything we have done in class.

I need a C to keep my scholarship, what can I do?

Study. Do the homework. Come to office hours. Do not wait until the end of the semester.